

### **AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions, and listings of claims in the application:

### **LISTING OF CLAIMS:**

1. (Currently Amended) An imaging member comprising  
a supporting substrate including a charge-injecting surface,  
a hole blocking layer comprising a hydrolyzed silane,  
an optional adhesive layer,  
a charge transport layer, wherein said hole blocking layer is disposed  
between said charge-injecting surface and said charge transport layer,  
a charge-generating layer,  
an optional charge ~~blocking~~ trapping layer,  
a cross linked silicone rubber, and  
a resilient, electrically insulating overcoating layer.
2. (Currently Amended) An imaging member comprising  
a supporting substrate including a charge injecting surface,  
a hole blocking layer comprising a hydrolyzed silane,  
a charge transport layer, wherein said hole blocking layer is disposed  
between said charge-injecting surface and said charge transport layer,  
a charge generating layer,  
a cross linked silicone rubber, and  
a resilient, electrically insulating overcoating layer.
3. (Cancelled).
4. (Original) An imaging member according to claim 1 wherein the charge  
injecting surface comprises graphite, gold, or carbon.

5. (Original) An imaging member according to claim 1 wherein the charge injecting surface is carbon.

6. (Original) An imaging member according to claim 1 wherein the substrate is of a thickness of from about 75 micrometers to from about 275 micrometers and wherein the substrate is flexible, seamless, or rigid.

7. (Original) An imaging member according to claim 1 wherein the substrate can be of different configurations, comprising a plate, a cylindrical drum, a scroll, or an endless flexible belt.

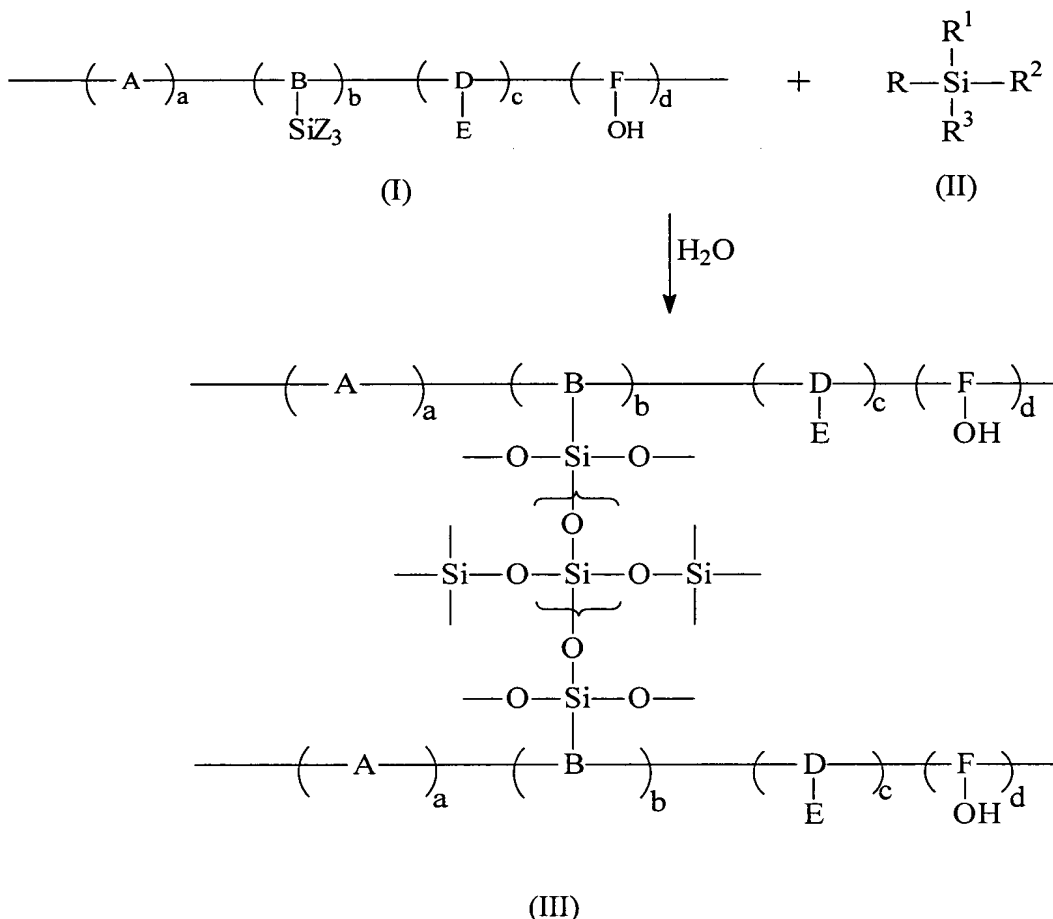
8. (Previously presented) An imaging member according to claim 1 wherein the hole blocking layer is continuous and is of a thickness of from about 0.001 micrometers to about 5 micrometers.

9. (Previously presented) An imaging member according to claim 8 wherein the hole blocking layer is continuous and is of a thickness of from about 0.005 micrometers to about 0.3 micrometers.

10. (Currently Amended) An imaging member comprising:  
a supporting substrate,  
a hole blocking layer including a crosslinked polysiloxane polymer network impregnated with a hydroxy-functionalized polymer and photogenerating pigments,  
an optional adhesive layer,  
a charge transport layer,  
a charge generating layer,  
an optional charge ~~blocking~~ trapping layer,  
a cross linked silicone rubber, and  
a resilient, electrically insulating overcoating layer.

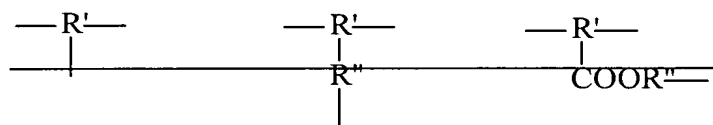
11. (Currently Amended) An imaging member according to claim 1 wherein the hole blocking layer is comprised of a crosslinked polymer (III) derived from the reaction of polymer (I) and an organosilane represented by formula (II) which is derived from the crosslinking reaction as described in Scheme 1

**Scheme 1**



wherein E is an electron transport moiety; A, B, D and F represent the segments of the polymer backbone containing appropriate divalent linkages, which connect or bond the silyl function (SiZ<sub>3</sub>), the electron transport moiety (E), and the hydroxy function (OH) to the polymer backbone; Z is selected from the group consisting of chloride, bromide, iodide, cyano, alkoxy, ~~for example, of from about 1 to about 5 carbon atoms~~, acyloxy, ~~of, for example, from about 2 to about 6 carbon atoms~~, aryloxy ~~of, for example, from about 6 to about 10 carbon atoms~~ and combinations thereof; a, b, c, and d are mole fractions of the repeating monomer units wherein a+b+c+d is equal to about 1; R is alkyl, substituted alkyl, aryl, or substituted aryl, with the substituent being selected from

the group consisting of halogen, alkoxy, aryloxy, and amino; and R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> are independently selected from the group consisting of alkyl, aryl, alkoxy, aryloxy, acyloxy, halide, cyano, and amino provided that two of R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> are independently selected from the group consisting of alkoxy, aryloxy, acyloxy, and halogen; ~~a hole blocking layer wherein a is from about 0 to about 0.95, b is from about 0.001 to about 0.50, c is from about 0 to about 0.50, and d is from about 0.01 to about 0.95; a photoconductive imaging member wherein A is selected from the group of divalent linkages selected from the group consisting of alkylene, arylene, alkoxycarbonylalkylene, and alkoxycarbonylarylene; B, D and F are independently selected from the group consisting of,~~

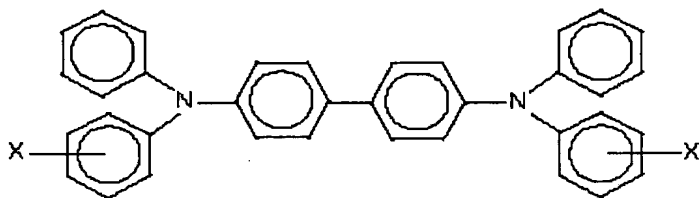


~~wherein R' and R'' are independently trivalent linkages or divalent linkages of from about 2 to about 24 carbon atoms.~~

12. (Original) An imaging member according to **claim 1** wherein the adhesive layer is present and is of a thickness of from about 0.001 micrometers and about 0.2 micrometers.

13. (Previously presented) An imaging member according to claim 1 wherein the charge transport layer contains aryl amine molecules.

14. (Currently Amended) An imaging member according to **claim 13** wherein the charge transport layer ~~and~~ contains aryl amines of the formula



wherein X is selected from the group consisting of alkyl and halogen, and wherein the aryl amine is dispersed in a highly insulating and transparent resinous binder.

15. (Currently Amended) An imaging member according to **claim 4** 14 wherein the charge transport layer includes at least one substituent, X, with from about 1 to about 12 carbon atoms.

16. (Currently Amended) An imaging member according to claim 4 14 wherein the charge transport layer includes at least one substituent, X, with from about 1 to about 5 carbon atoms and is of a thickness of from about 10 micrometers to about 75 micrometers.

17. (Original) An imaging member according to claim 1 wherein the charge transport layer contains a charge transporting polymer.

18. (Original) An imaging member according to claim 17 wherein the charge transporting polymer is polyethercarbonate (PEC).

19. (Previously presented) An imaging member according to claim 15 wherein the charge transporting layer includes a resinous binder comprising polysebacoyl.

20. (Original) An imaging member according to claim 1 wherein the charge generating layer contains photoconductive particles of hydroxygallium phthalocyanine and wherein said photoconductive particles are dispersed in a film forming binder.

21. (Original) An imaging member according to claim 1 wherein the charge generating layer is of a thickness of from about 0.2 micrometers to about 0.7 micrometers.

22. (Previously presented) An imaging member according to claim 1 wherein the charge blocking layer is of a thickness of from about 20 Angstroms to about 10 microns and comprises polyvinylbutyral, organosilanes, epoxy resins, polyesters, polyamides, polyurethanes, silicones, or polysiloxane.

23. (Previously presented) An imaging member according to claim 1 wherein the charge blocking layer is of a thickness of from about 20 Angstroms to about 2 microns.

24. (Original) An imaging member according to claim 1 wherein the cross-linked silicone rubber prior to cross linking is dimethyl polysiloxane hydrolyzate.

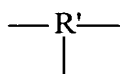
25. (Original) An imaging member according to claim 1 wherein the overcoating layer is of a thickness from about 5 micrometers to about 10 micrometers.

26. (Original) An imaging member according to claim 1 wherein the overcoating layer is substantially transparent to activating radiation and electrically insulating.

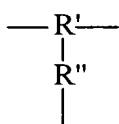
27. (Cancelled)

28. (New) An imaging member according to claim 11 wherein a is from about 0 to about 0.95, b is from about 0.001 to about 0.50, c is from about 0 to about 0.50, and d is from about 0.01 to about 0.95.

29. (New) An imaging member according to claim 11 wherein the imaging member is a photoconductive imaging member wherein A is selected from the group consisting of alkylene, arylene, alkoxycarbonylalkylene, alkoxycarbonylarylene, and combinations thereof; and B, D, and F are independently selected from the group consisting of (i), (ii) and (iii),



(i)



(ii)



(iii)

wherein R' and R'' are independently trivalent linkages or divalent linkages of from about 2 to about 24 carbon atoms.